Index of Claims

| App | licatio | n/Conti | ol No. |
|-----|---------|---------|--------|
|-----|---------|---------|--------|

10/063,737

Examiner

Brandon W. Bowers

Applicant(s)/Patent under Reexamination

HSU, JIMMY

Art Unit

2825

| Rejected    | - | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |
|-------------|---|--------------------------------|--|--|--|--|--|--|--|
| <br>Allowed | ÷ | Restricted                     |  |  |  |  |  |  |  |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla         | aim      |              |              |                                                  |              | Dat      | e            |                                                  |                                                  |          | Cla         | aim      |                 |          |        | Da     | te           |                     |          |          | [ | Cla                                              | aim          |          |        |    | Dat       | e                                                |                     |          |           |
|-------------|----------|--------------|--------------|--------------------------------------------------|--------------|----------|--------------|--------------------------------------------------|--------------------------------------------------|----------|-------------|----------|-----------------|----------|--------|--------|--------------|---------------------|----------|----------|---|--------------------------------------------------|--------------|----------|--------|----|-----------|--------------------------------------------------|---------------------|----------|-----------|
|             | =        | 2 16         |              |                                                  |              |          |              |                                                  |                                                  |          |             | =        |                 |          |        |        |              |                     |          |          |   |                                                  | <del>_</del> | i        | ı      |    |           |                                                  |                     |          | 1         |
| Final       | Original | 16           |              |                                                  |              |          | l            | İ                                                | 1                                                |          | Final       | Original |                 |          |        |        | 1            |                     |          |          |   | Final                                            | Original     | - 1      |        |    |           |                                                  |                     |          |           |
| iĒ          | Ę        |              |              |                                                  |              |          |              |                                                  |                                                  |          | i I         | )rić     |                 |          |        | 1      |              |                     |          |          |   | iĒ                                               | `ặ'∣         |          |        |    |           |                                                  |                     |          |           |
|             |          | 0            |              |                                                  |              |          |              |                                                  |                                                  |          |             | ١        |                 | _        |        |        |              |                     |          |          |   |                                                  |              |          |        |    |           |                                                  |                     |          |           |
|             | 1        |              |              |                                                  |              |          |              |                                                  |                                                  |          |             | 51       |                 |          |        |        |              |                     |          |          |   |                                                  | 101          |          |        |    |           |                                                  |                     |          |           |
|             | 4        |              |              |                                                  |              |          |              |                                                  |                                                  |          |             | 52       |                 |          |        |        |              |                     |          |          |   |                                                  | 102          |          |        |    |           |                                                  |                     |          | 7         |
|             | 3        |              |              |                                                  |              | Π        |              | Π                                                | П                                                | _]       |             | 53       |                 | $\neg$   | $\top$ | Т      | Т            |                     |          |          |   |                                                  | 103          | $\neg$   |        |    |           |                                                  | П                   |          | ٦         |
|             | 4        | Π            | Ι            |                                                  |              |          |              |                                                  | П                                                |          |             | 54       |                 |          |        |        |              |                     |          |          |   |                                                  | 104          | $\top$   |        | T  |           |                                                  | П                   |          | ٦         |
|             | Б        |              |              |                                                  |              |          |              |                                                  |                                                  |          |             | 55       |                 |          |        |        | $\Gamma$     | П                   |          |          |   |                                                  | 105          |          |        |    |           |                                                  | П                   |          | ٦         |
|             | 6        |              |              |                                                  |              |          |              |                                                  |                                                  |          |             | 56       |                 |          |        |        | 1            |                     |          |          | [ |                                                  | 106          |          |        |    |           |                                                  |                     |          |           |
|             | 7        |              |              |                                                  |              |          |              |                                                  |                                                  |          |             | 57       |                 |          |        |        |              | П                   |          |          | [ |                                                  | 107          |          |        | Π  |           |                                                  |                     | T        | ٦         |
|             | - \$     |              |              |                                                  |              |          |              |                                                  |                                                  |          |             | 58       |                 |          |        | T      |              |                     |          |          |   |                                                  | 108          |          |        |    |           |                                                  | П                   |          | ٦         |
|             | •        | П            |              |                                                  |              |          |              |                                                  | П                                                |          |             | 59       |                 | $\neg$   | T      | Т      | Т            | П                   |          |          |   |                                                  | 109          | $\neg$   |        | T  | Т         | Γ                                                | П                   |          | ٦         |
|             | 1þ       | Г            |              |                                                  |              |          |              |                                                  | П                                                |          |             | 60       |                 |          |        | ١.     |              | П                   |          |          |   |                                                  | 110          |          |        | T  | 1         |                                                  |                     |          | ٦         |
|             | 1        |              |              |                                                  |              | T        | I            |                                                  | П                                                |          |             | 61       |                 | $\neg$   |        | T      |              | П                   | $\neg$   | $\neg$   |   |                                                  | 111          |          |        | 1  | 1         |                                                  | П                   |          | ٦         |
|             | 12       |              |              |                                                  | П            |          | П            |                                                  |                                                  | $\neg$ 1 |             | 62       | П               | $\dashv$ | $\top$ |        | Τ            | П                   | $\neg$   | $\neg$   |   |                                                  | 112          | $\neg$   | $\top$ | T  | 1         |                                                  | П                   |          | $\exists$ |
|             | 18       |              |              |                                                  |              |          |              |                                                  | П                                                | $\neg$   |             | 63       |                 |          | 7      |        | 1            | П                   | $\neg$   | $\neg$   | - |                                                  | 113          | $\top$   | $\top$ | T  | T         | Г                                                | П                   | $\top$   | ٦         |
|             | 1#       |              |              |                                                  | П            |          | ī            |                                                  | П                                                | $\neg$   |             | 64       |                 | $\neg$   | _      | 1      | T            | П                   | 丁        | $\neg$   | - |                                                  | 114          | $\top$   | $\top$ |    | T         |                                                  | П                   | $\neg$   | ٦         |
|             | 15       | ١,           |              |                                                  | Г            |          | П            | П                                                | П                                                | $\neg$   |             | 65       | П               | $\dashv$ | _      | 1      | T            | П                   | 寸        | $\dashv$ |   |                                                  | 115          | $\top$   | $\top$ | 1  | T         |                                                  | П                   | _        | ٦         |
|             | 16       | 1            |              |                                                  |              |          | Ī            | Ī                                                |                                                  | $\neg$   |             | 66       | П               |          | _      | 1      | 1            | П                   | $\dashv$ | $\dashv$ |   |                                                  | 116          | $\top$   | $\top$ | 1  | 1         | T-                                               |                     |          | $\exists$ |
|             | 17       | V.           |              |                                                  |              | T        |              |                                                  | П                                                | $\dashv$ |             | 67       | $\Box$          | $\dashv$ | _      | +      | †            | П                   | $\dashv$ | $\dashv$ |   |                                                  | 117          | $\top$   | +      | 1  | †         | 1                                                | $\vdash$            | $\neg$   | ╡         |
|             | 18       | 1            |              |                                                  |              |          | T            |                                                  |                                                  | _        |             | 68       |                 |          | _      | ┰      |              |                     | $\dashv$ | ┪        | Ì |                                                  | 118          | $\top$   |        | +  | ╅         | $\vdash$                                         |                     |          | ┨         |
|             | 19       | 7            |              |                                                  |              |          |              |                                                  |                                                  |          |             | 69       |                 |          | _      | +      | 1            | H                   | $\dashv$ | ┪        |   |                                                  | 119          | $\top$   | +-     | 十  | 1         | <del>                                     </del> |                     | $\neg$   | ┨         |
|             | 20       | Ž            |              |                                                  |              | T        | T            |                                                  | t t                                              |          |             | 70       |                 | _        | _      |        | 1            | H                   | _        | $\dashv$ | ı |                                                  | 120          | $\dashv$ | $\top$ | +  | 1-        | ┰                                                |                     | $\dashv$ | ┨         |
|             | 21       | 7            |              |                                                  |              |          |              |                                                  | Ħ                                                | _        |             | 71       |                 | _        | $\top$ | 1      | 1            | H                   |          | ヿ        | Ì |                                                  | 121          | $\top$   |        | +  | ╁         | ✝                                                | Н                   | $\neg$   | ┨         |
|             | 22       | .7           |              |                                                  |              |          |              |                                                  | H                                                | $\neg$   | <b>—</b>    | 72       |                 | 十        | 十      | 1      |              | H                   | 7        | ┪        | Ì |                                                  | 122          | 7        |        | +  | ╅         | ┢                                                | Н                   | $\dashv$ | ┨         |
|             | 233      | 1            |              |                                                  |              |          | T            | <del> </del>                                     |                                                  | $\dashv$ |             | 73       | $\Box$          | $\neg$   | $\top$ | 1      | 1            | H                   | $\dashv$ | ┪        | Ì |                                                  | 123          | _        | _ _    | +  | ╁         | $\vdash$                                         | H                   | $\dashv$ | ┪         |
|             | 23<br>24 | $\vdash$     | _            |                                                  |              | H        | t            | ┢                                                | $\Box$                                           | $\dashv$ |             | 74       | $\vdash$        | $\dashv$ | $\top$ | $\top$ |              |                     | _        | ┪        | Ì |                                                  | 124          | $\dashv$ | $\top$ | +  | +         | $\vdash$                                         | Н                   | $\dashv$ | ┨         |
|             | 25       | H            |              |                                                  |              | H        | ┢            |                                                  |                                                  |          |             | 75       | $\vdash$        |          | _      | ╅      | <del> </del> | $\vdash$            | $\dashv$ | $\dashv$ | Ì |                                                  | 125          | $\dashv$ | +      | +  | +         | $\vdash$                                         | Н                   |          | ┨         |
| -           | 26       | $\vdash$     |              |                                                  |              | $\vdash$ | $\vdash$     | $\vdash$                                         |                                                  | $\dashv$ |             | 76       |                 | -        | _      | +      | 1            | $\vdash$            | +        | ┪        | ı |                                                  | 126          | +        | -      | +  | ╁         | <del> </del> —                                   | $\vdash$            | $\neg$   | $\dashv$  |
|             | 27       | N            |              |                                                  |              |          | ┢            |                                                  | 1 1                                              | $\dashv$ |             | 77       | $\vdash$        | $\dashv$ | +      | +      | 1            | $\vdash$            | $\dashv$ | ⊣        | ŀ |                                                  | 127          | +        | +      | ╁  | $\dagger$ | H                                                | H                   | +        | ┨         |
|             | 28       | ,,           | $\vdash$     | $\vdash$                                         |              | H        | ╁            | -                                                | -                                                | -        |             | 78       | $\vdash$        | -        | +      | +      |              | $\vdash$            | $\dashv$ | ⊣        | ŀ |                                                  | 128          | +        | +      | +  | +         | $\vdash$                                         | H                   | +        | $\dashv$  |
|             | 29       | $\vdash$     | $\vdash$     | $\vdash$                                         | _            | -        | -            | <del>                                     </del> | 1                                                | $\dashv$ |             | 79       | $\vdash$        | _        | +      | +      | +            | ╂──╂                | _        | ᅱ        | ŀ |                                                  | 129          | $\dashv$ | +      | +  | +         | $\vdash$                                         | $\vdash$            | ┰        | $\dashv$  |
| -           | 30       | 1            | -            |                                                  | -            | ┼─       | ├            | -                                                | $\vdash$                                         | $\dashv$ |             | 80       | $\vdash$        | +        | +      | +      | +-           | ╁                   |          | $\dashv$ | ŀ |                                                  | 130          | +        | +      | +  | +         | ├                                                | Н                   |          | ┥         |
| <del></del> | 31       | H            | $\vdash$     | $\vdash$                                         | -            | -        | <del> </del> | -                                                | <del>                                     </del> | $\dashv$ |             | 81       | $\vdash$        | +        | +      | +      | +            | ┢╌┼                 |          | $\dashv$ | } | $\vdash$                                         | 131          | +        | +      | +  | +         | $\vdash$                                         | Н                   | $\dashv$ | $\dashv$  |
| <del></del> | 32       | +            | $\vdash$     | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$     |                                                  | -                                                | $\dashv$ | -           | 82       | $\vdash$        | $\dashv$ | +      | +      | ╁            | ┢╅                  | +        | $\dashv$ | } |                                                  | 132          | +        | +      | +  | +         | $\vdash$                                         | $\vdash$            |          | $\dashv$  |
| $\vdash$    |          | ₩            | $\vdash$     | $\vdash$                                         | $\vdash$     |          | $\vdash$     | $\vdash$                                         | $\vdash$                                         | $\dashv$ | $\vdash$    | 83       | $\vdash$        | +        | +      | +      | +            | $\vdash \vdash$     | $\dashv$ | $\dashv$ | ł |                                                  | 133          | +        | +      | +  | +         | $\vdash$                                         | $\vdash$            | +        | -         |
|             | 34       | ╇            | -            | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$     |                                                  | $\vdash \vdash$                                  |          | -           | 84       | $\vdash$        | $\dashv$ | +      | +      | ╁            | $\vdash$            | +        | ᅱ        | ŀ |                                                  | 134          | +        | +      | +  | +         | $\vdash$                                         | $\vdash$            | +        | $\dashv$  |
| <b>—</b>    | 35       |              |              | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ | <del></del> | 85       | <del>   </del>  | +        | +      | +      | +            | $\vdash$            | +        | $\dashv$ | } | $\vdash \vdash \vdash$                           | 135          | +        |        | +  | +         | H                                                | H                   | +        | $\dashv$  |
|             | 36       | _            | $\vdash$     | $\vdash$                                         | $\vdash$     |          |              | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ |             | 86       | $\vdash$        | +        | +      | +      | +            | $\vdash$            | +        | $\dashv$ | ł | $\vdash$                                         | 136          | $\dashv$ | - -    |    | +         | $\vdash$                                         | $\vdash$            | +        | $\dashv$  |
|             | 37       | ╁            | -            | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ | -           | 87       | -               | -+       |        | ╅      | +            | H                   | +        | $\dashv$ |   |                                                  | 137          | -+-      | +      | +  | +         | $\vdash$                                         | $\vdash$            | +        | $\dashv$  |
| $\vdash$    | 38       |              | $\vdash$     | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ | -           | 88       | $\vdash$        | -        |        | +      | +            | $\vdash \vdash$     | +        | $\dashv$ | ł | <del>                                     </del> | 138          | +        | +      |    | +         | ┼─                                               | $\vdash$            | +        | $\dashv$  |
| $\vdash$    | 39       | $\vdash$     | $\vdash$     | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ |             | 89       | $\vdash$        | $\dashv$ |        | ╅      | +            | H                   | +        | $\dashv$ | ł |                                                  | 139          | +        |        | +- | +         | $\vdash$                                         | $\vdash$            | +        | $\dashv$  |
| $\vdash$    | 40       | $\vdash$     | $\vdash$     | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ | $\vdash$    | 90       | -               | +        |        | +-     | +            | H                   | $\dashv$ | $\dashv$ | ŀ |                                                  | 140          | +        | +      | +- | ╁         | $\vdash$                                         |                     | +        | $\dashv$  |
| $\vdash$    | 41       | $\vdash$     | $\vdash$     |                                                  | $\vdash$     |          | $\vdash$     | $\vdash$                                         | $\vdash \vdash$                                  | $\dashv$ | $\vdash$    | 91       |                 | +        |        | +-     | +            | $\vdash \vdash$     | +        | $\dashv$ | ŀ |                                                  | 141          | +        | - -    | +- | ┼─        | $\vdash$                                         |                     | -        | $\dashv$  |
| <u> </u>    | 42       | -            |              | Н                                                | $\vdash$     | H        | $\vdash$     | Н                                                | $\vdash$                                         | -        | $\vdash$    | 92       | $\dashv$        | +        | +      | +      | +-           | ╁                   | $\dashv$ | $\dashv$ | - |                                                  | 142          | +        | +      | +  | +         | $\vdash$                                         | $\vdash \vdash$     | +        | $\dashv$  |
| $\vdash$    | 43       | $\vdash$     | -            | -                                                | <del> </del> |          | $\vdash$     | $\vdash$                                         | -                                                | $\dashv$ | -           | 93       | $\dashv$        | $\dashv$ | +      | +      | +            | $\vdash \vdash$     | +        | $\dashv$ | ŀ |                                                  | 143          | -        | - -    | +  | ╁╾        | ╁                                                | $\vdash$            | +        | $\dashv$  |
| $\vdash$    | 43       | $\vdash$     | $\vdash$     | $\vdash$                                         | $\vdash$     |          | $\vdash$     |                                                  | H                                                | $\dashv$ | $\vdash$    | 94       | $\vdash \vdash$ | +        |        | ╁      | ╫            | $\vdash$            | $\dashv$ | $\dashv$ | ŀ |                                                  | 144          | +        | +      | +  | +         | $\vdash$                                         | $\vdash$            | $\dashv$ | $\dashv$  |
|             | 45       | $\vdash$     | $\vdash$     | $\vdash$                                         | $\vdash$     | -        | $\vdash$     | -                                                | $\vdash$                                         | $\dashv$ | $\vdash$    | 95       | $\dashv$        | +        | +      | +-     | ┼            | ├┼                  | $\dashv$ | $\dashv$ | ŀ |                                                  | 145          | +        | +      | +  | +         | $\vdash$                                         | $\vdash$            | +        | $\dashv$  |
| $\vdash$    | 45       | -            | ├            | $\vdash$                                         | -            |          | ┢            | -                                                | $\vdash$                                         | _        |             | 96       | $\dashv$        | +        | +      | +      | ╁            | $\vdash$            | +        | $\dashv$ | ŀ |                                                  |              | +        | ┿      | ╁  | +         | $\vdash$                                         | $\vdash \vdash$     | +        | $\dashv$  |
| $\vdash$    | 46       |              | <del> </del> |                                                  | -            | -        | $\vdash$     | $\vdash$                                         | $\vdash$                                         | $\dashv$ | $\vdash$    | 97       | $\dashv$        | +        | +      | +      | +            | $\vdash$            | +        | $\dashv$ | ŀ |                                                  | 146<br>147   | +        | +      | +  | +         | -                                                |                     |          | $\dashv$  |
| $\vdash$    | 48       | <del> </del> | ├-           |                                                  | <u> </u>     | -        | -            | H                                                | $\vdash$                                         | $\dashv$ | $\vdash$    | 98       | $\dashv$        | +        |        | +      | +            | $\vdash \vdash$     | +        | $\dashv$ | } | -                                                |              | +        | +      | +  | +-        |                                                  | $\vdash$            |          | $\dashv$  |
| $\vdash$    |          | <del> </del> | -            |                                                  | <u> </u>     | $\vdash$ | $\vdash$     | Н                                                | $\vdash \vdash$                                  | $\dashv$ | $\vdash$    | 98       | $\vdash$        | $\dashv$ |        | ╁      | +            | $\vdash \downarrow$ | +        | $\dashv$ | ŀ |                                                  | 148          | +        | +      | +  | +         | -                                                |                     | -        | $\dashv$  |
| $\vdash$    | 49       | ├            | ├—           |                                                  | Ι            | $\vdash$ | $\vdash$     | $\vdash$                                         | $\vdash$                                         | $\dashv$ | $\vdash$    |          | $\dashv$        | +        | +      | +      | +            | ⊢┼                  | +        | $\dashv$ | ŀ |                                                  | 149          | +        | +-     | +  | +         | $\vdash$                                         | $\vdash \downarrow$ | _        | $\dashv$  |
|             | 50       | L_           |              |                                                  |              | Ь        | <u> </u>     | لـــــا                                          | <u> </u>                                         |          |             | 100      |                 |          |        |        |              |                     |          |          | L |                                                  | 150          |          | L_     |    | 1         | L                                                |                     | - 1      | - [       |